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PTO/SB/50 (02-01)

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REISSUE PATENT APPLICATION TRANSMITTAL

U.S.
JC 675
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998637

11/30/01

Address to:

Assistant Commissioner for Patents
 Box Reissue
 Washington, DC 20231

Attorney Docket No.	0602-1370.1
First Named Inventor	Pierse, M.
Original Patent Number	5,996,431
Original Patent Issue Date (Month/Day/Year)	12/07/1999
Express Mail Label No.	EL 768 581 020 US

APPLICATION FOR REISSUE OF:

(Check applicable box)



Utility Patent



Design Patent



Plant Patent

APPLICATION ELEMENTS (37 CFR 1.173)

ACCOMPANYING APPLICATION PARTS

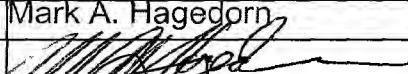
- Fee Transmittal Form (PTO/SB/56)
(Submit an original, and a duplicate for fee processing)
- Applicant claims small entity status. See 37 CFR 1.27.
- Specification and Claims in double column copy of patent format (amended, if appropriate)
- Drawing(s) (proposed amendments, if appropriate)
- Reissue Oath/Declaration (original or copy)
(37 C.F.R. § 1.175) (PTO/SB/51 or 52)
- Power of Attorney
- Original U.S. Patent currently assigned? Yes No
(If Yes, check applicable box(es))
 - Written Consent of all Assignees (PTO/SB/53)
 - 37 C.F.R. § 3.73(b) Statement (PTO/SB/96)
 - CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
 - Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all of the following are necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM (2 copies) or CD-R (2 copies), or
 - ii. paper
 - c. Statements verifying identity of above copies

10. Statement of status and support for all changes to the claims. See 37 CFR 1.173 (c).
11. Original U.S. Patent for surrender
 - Ribboned Original Patent Grant
 - Statement of Loss (PTO/SB/55)
12. Foreign Priority Claim (35 U.S.C. 119) (if applicable)
13. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
14. English Translation of Reissue Oath/Declaration (if applicable)
15. Preliminary Amendment
16. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
17. Other: _____

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label
 (Insert Customer No. or Attach bar code label here) or Correspondence address below

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NAME (Print/Type)	Mark A. Hagedorn	Registration No (Attorney/Agent)	44,731
Signature			Date
			11/30/2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Reissue, Washington, DC 20231.

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REISSUE APPLICATION FEE TRANSMITTAL FORM

Docket Number (Optional)
0602-1370.1

Claims as Filed - Part 1

Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
(A) 17	Total Claims (37 CFR 1.16(j))	(B) 17	**** 0 = x \$ 9 = \$0	or	x \$ 18 = \$0		\$0
(C) 1	Independent claims (37 CFR 1.16(i))	(D) 1	* 0 = x \$ 42 = \$0		x \$ 84 = \$0		
Basic Fee (37 CFR 1.16(h))				\$370			\$740
Total Filing Fee				\$370			\$740

Claims as Amended - Part 2

	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	*	x \$ 9 = \$0		x \$ 18 = \$0	
Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$ 42 = \$0		x \$ 84 = \$0	
Total Additional Fee				\$0	OR			\$0

* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

*** After any cancellation of claims.

**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

Applicant claims small entity status. See 37 CFR 1.27.

Please charge Deposit Account No. _____ in the amount of _____.
A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 12-0913.
A duplicate copy of this sheet is enclosed.

A check in the amount of \$ 740 to cover the filing / additional fee is enclosed.

Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Nov. 30, 2001
Date



Signature of Applicant, Attorney or Agent of Record

Mark A. Hagedorn
Typed or printed name

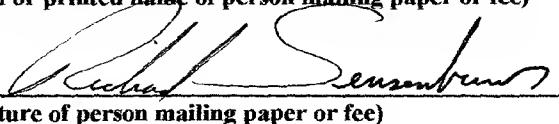
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Date of deposit: November 30, 2001

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(Typed or printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE REISSUE APPLICATION OF)
Michael George PIERSE) Examining Attorney: To Be Assigned
Reissue Application No.: To Be Assigned) Art Unit No.: To Be Assigned
Patent No.: 5,996,431)
Issue Date: Dec. 7, 1999)
For: TWIST ACTION FRICTION DRIVE)

LETTER ACCOMPANYING NEW REISSUE APPLICATION

Honorable Director of
Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Transmitted herewith is a new reissue application for U.S. Patent No. 5,996,431 seeking broadened claims and a correction of the drawings.

Claims 1-17 are pending in the present reissue application with claim 1 as the sole independent claim. Upon acceptance of this application, independent claim 1 will stand amended as is apparent from the physically incorporated amendment in claim 1. Applicant seeks to delete "relative to the drive bar" from claim 1 for reasons that are apparent from the patentee's Declaration. Support for this amendment to claim 1 is found throughout the specification and more particularly at column 2, lines 31-36. Further, Applicant takes this opportunity to correct typographical errors found at column 1, line 9 and 34 as is apparent from the physically incorporated markings.

Similarly, applicant seeks to correct Figure 1 of the drawings to further adding additional

reference numerals for the driving head 10, control unit 15, tachometer 17, hydrostatic bearings 20, oil return passage 22 and the corrugated axially extensible tube 40. The changes further included a representation of the control unit 15. Pursuant to 37 CFR §1.173(b)(3), attached is a sketch showing the proposed changes in red for approval by the Examiner.

Applicant respectfully submits that the present application and claims patentably define applicants invention, therefore, allowance and issue thereof is respectfully requested.

The Director is hereby authorized to charge payment of any additional fees required to complete the filing of this Application, or credit any overpayment involved, to the Deposit Account No. 12-0913 of the firm of the undersigned Attorney.

Respectfully submitted,

Date: Nov. 30, 2001



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